

ABSTRACT

The present invention provides a color image processing device and a color image processing method which is in order to perform natural and excellent sharpness processing to image data, the color image processing device of invention comprises: a color space converter (1) for converting image signals (RGB) to luminance signals (L), first chromaticity signals (C1) and second chromaticity signals (C2); a luminance signal correcting unit for correcting the luminance signal (L) of a target pixel based on an average luminance signal (L_A) obtained from the luminance signals of the target pixel and predetermined pixels surrounding the target pixel and the saturation signal (S) of the target pixel; a chromaticity signal correcting unit for correcting the first chromaticity signal (C1) and the second chromaticity signal (C2) of the target pixel based on the first and second average chromaticity signals ($C1_A$, $C2_A$) obtained from the chromaticity signals of the target pixel and the predetermined pixels surrounding the target pixel, the saturation signal (S) of the target pixel, the average saturation signal (S_A) obtained from the saturation signals of the target pixel and the predetermined pixels surrounding the target pixel, and a hue difference signal (DC); and a color space inverter (15) for inverting the corrected luminance signal (L'), the corrected first chromaticity signal ($C1'$) and the corrected second chromaticity signal ($C2'$) of the target pixel to image signals ($R'G'B'$).